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Population by County, Historic (1940-1970) and Projected (1980-2020), Region IV

Environmental Protection Agency, Atlanta, Ga. Region IV

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16. Abstract

Historic county population values for the U.S. Southeast Region are presented from the decennial Census counts. Projections are baseline values developed for planning and related purposes through the efforts of individual state social sciences advisory committees (SSAC's) in Region IV. These SSAC's are comprised of concerned public and private groups and individuals participating on a voluntary basis to provide a credible and mutually acceptable set of data to serve as a point of departure for plan formulation, evaluation of alternatives, and plan implementation at the small-area level (or when re-aggregated, for larger areas).

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POPULATION BY COUNTY

HISTORIC (1940-1970)

AND

PROJECTED (1980-2000)

REGION IV

ENVIRONMENTAL PROTECTION AGENCY

ATLANTA, GEORGIA

JULY, 1975

NATIONAL TECHNICAL INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE

POPULATION BY COUNTY, HISTORICAL (1960-1970)
AND PROJECTED (1980-2020), REGION IV

ENVIRONMENTAL PROTECTION AGENCY
REGION IV
ATLANTA, GEORGIA

JULY, 1972

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POPULATION BY COUNTY, HISTORIC (1940-1970)[1/] AND PROJECTED (1980-2020)[2/], REGION IV[3/]

What They Are and How They Were Developed

The historic county population values presented in Tables I through VIII are from the decennial Census counts, while the projections are "base-line" values developed for planning and related purposes through the efforts of the individual State[2/] Social Sciences Advisory Committees (SSAC's) in Region IV. These SSAC's are comprised of concerned public and private groups and individuals participating on a voluntary basis to provide a credible and mutually acceptable set of data to serve as a point of departure for plan formulation, evaluation of alternatives, and plan implementation at the small-area level for when re-aggregated, for larger areas. They are consensus county values adjusted, as necessary, to conform with the directly additive (of "OBE Economic Area" control values[2/] which are, in turn, consistent with major regional and national totals.

1/ U. S. Department of Commerce, Bureau of the Census.

2/ Developed separately for each of the eight States in Region IV by each of the eight "State Social Sciences Advisory Committees" (see footnote 3) utilizing "OBE Economic Area" controls provided by the U.S.D.C., Bureau of Economic Analysis (formerly OBE), from work performed by the "OBERS" team (see footnote 5) under the auspices of the U. S. Water Resources Council.

3/ The standard Federal region for the Southeastern part of the United States. It is comprised of the following States: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

current membership lists (July, 1972) for each of the eight EPAU's have been prepared as separates and may be provided as companion materials to this report. If not included with your copy, they may be obtained by request from the Office of Economic Analysis, EPA, Region IV.

The "Baseline" Concept

The "OBE Economic Area" controls used for projection purposes were developed by the "OBERS" [1/] team for the U. S. Water Resources Council (WRC) as "Baseline Projections" defined by them for their report [2/] as follows: "The projections presented in this report are termed baseline projections, with the phrase baseline denoting 'a point or line from which a start is made in any action or operation.' The baseline projections are a best estimate of what can be expected to materialize if no changes of an unusual and unforeseen nature or magnitude develop. The projections are in no sense a goal, an assigned share, or a constraint on a region's economic activity. Neither are they a constraint on the planner in considering alternative levels of growth. Furthermore, they carry no connotations as to desirability or undesirability. This is the province of the planners and decision-makers.

1/ Bureau of Economic Analysis (formerly Office of Business Economics), U. S. Department of Commerce, and the Economic Research Service, U. S. Department of Agriculture.

2/ "Economic Activity in the United States by Water Resources Regions and Subareas, Historical and Projected, 1929-2020." "Volume I, Concepts and Methodology, For Review--projected data not final." p. I-5. Undated but published and distributed for review about April, 1971.

"Baseline projections are intended as reference points. They serve as one variable in the determination of demand for water and related land under one set of conditions. In addition, they represent a baseline framework through which the economic impact of alternative development programs can be measured."

As is evident upon examination of the accompanying tables, the only part of the economic base presented herein for each county is the demographic parameter (total resident population as defined by the Census). Work is underway to develop and describe each of the underlying economic parameters for each county in the same detail as is available in the WRC data used as controls. Plans are to concentrate first efforts on employment by industry, with residentiary employment to be developed first and employment by place of work following as quickly as possible. Theoretically, at least, and by design, these two measures of employment are the same for the "OBE Economic Areas". At the county level, however, they are frequently greatly different, as is indicated by examination of commuting patterns.

How the Values Were Developed

In order to provide each State Committee with projected county values consistent with national, regional, and "OBE Economic Area" totals for all counties in Region IV and economically related contiguous areas outside the Region, sets of "first approximations" were developed. This service to the Committees was provided by a Federal team comprised

of economists from the Bureau of Economic Analysis; the Corps of Engineers, South Atlantic and Ohio River Divisions; the Tennessee Valley Authority; and the Environmental Protection Agency, Region IV. The appropriate (State by State) "first approximations" were provided to all Committee members well ahead of scheduled work conferences while simultaneously encouraging each to develop independent county "base-line" projections to more adequately represent local considerations in each county and the relationships among and between counties.

As soon as each RRAC's State Co-chairman notified the Federal Co-chairman (EPA's Chief Economist, Region IV, for each of the eight Committees) that the Committee was ready with as many additional independent county projections as could reasonably be expected from universities, local planning commissions, and so on) work conferences were called. At these conferences a consensus was reached on the "base-line" value to be used for each county so that the sum of the county values equalled or approximated the "ORR Economic Area" values. In the absence of a consensus on each value for a given area, agreement was reached on a "core" work group to perform the necessary adjustments through an agreed on procedure. This task has now been accomplished and the results are presented in the accompanying tables.

Examination of the "Committee" membership lists reveals that some of the most knowledgeable professionals in the fields of projection, use of projections as planners, and related activities, have participated from each of the eight States. In addition, not only has the cooperation

and expertise of appropriate national groups been solicited and used in this effort by a continuous communication and working relationship has also been maintained at each step of the development of county projections. As a matter of fact, at least one representative from NRA actively participated in each of the State Committee work conferences held, as previously indicated.

How the Projections Are to be Used

In using these values, it must be kept clearly in mind that they are "base-line" projections--not forecasts, predictions, nor prophecies (at least, not in the sense in which these words are commonly used). The only constraints on the availability of resources (land, water, air, etc.) built into them are those that were there historically and thereby affected the historical growth paths (economic and demographic) upon which these projections are based.

The users of these data primarily concerned with intermediate or long-term planning for resource development will usually consider them as representing the lowest value to use in evaluating "with-" and "without-project" conditions, with these "base-line" values representing the "without-project" condition. There usually should be more than one "with-project" line of values for each parameter to represent the alternatives for achieving the objectives of these mission-oriented groups. The differences between the "without-project" line of values for each parameter and the "with-project" line of

values for each alternative for each parameter measure the impact of the proposed solution. Developing the "with-project" values is the prerogative and responsibility of each user agency or group. EPA-financed construction projects, such as treatment plants, clearly fall in this category.

If, in a given project area, the resource base is adequate to accommodate the growth indicated by the "baseline" projections, one will only need to be careful that "with-project" projections used in the evaluations do not exceed the capability of the resource base to accommodate such growth (taking the effects of temporal changes in technology and management into account for both "with" and "without" conditions at each point in time). Under other conditions, however, where one or more of the resources (land, water, or air) has already reached its carrying capacity, or is already overused (as is the case for certain reaches of the Chattahoochee River and South River near Atlanta, or the air over Birmingham at certain times), the planner must be more careful of his interpretation and use of the "baseline" projections as well as of his formulation and evaluation of projects designed to increase growth. Although continued growth is likely to occur (probably at a slower pace) in areas of overuse, it is an "unhealthy" and, in the long-run, certainly undesirable occurrence. Consequently, one or more of the alternatives considered for solving problems in such areas should be that of further slowing, stopping, or reversing the growth trends in the population, employment, and

related parameters--at least until that time in the future when management and technology can be expected to increase the capacity of the resource base to overcome the deficit in quantity and accommodate the requirements for quality.

In other words, use the "baseline" projections for what they are and under the basic assumptions used with regard to the resource base (i.e., availability of land, water, and air to essentially the same as for the past 30 years, or more). Do not use them as predictions, prophecies, or forecasts and do not consider them as either desirable or undesirable; but them as something to plan from, and for.

For short-term planning and related program implementation (five years, or less), with few probable exceptions (perhaps only one), these projections can be used for most purposes as though they were Census counts. The one probable exception of which we are aware is in the area of Florida currently being rapidly impacted by the Disney World development. The "warning signals" are up but, unfortunately, explicit and acceptable numerical account of the impact is not available at this time. We are currently still working with the Florida SRAC to try and resolve this, and related problems, in a manner acceptable to all concerned.

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